

# **BSI Standards Publication**

## **Skateparks - Safety requirements and test methods**



BS EN 14974:2019 BRITISH STANDARD

This is a preview of "BS EN 14974:2019". Click here to purchase the full version from the ANSI store.

### **National foreword**

This British Standard is the UK implementation of EN 14974:2019. It supersedes BS EN 14974:2006+A1:2010, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee SW/65/-/3, Wheeled Sports Facilities.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Compliance with a British Standard cannot confer immunity from legal obligations.

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Date Text affected

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### EUROPÄISCHE NORM

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#### **English Version**

### Skateparks - Safety requirements and test methods

Skateparks - Exigences de sécurité et méthodes d'essai

Skateparks - Sicherheitstechnische Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 5 November 2018.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

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Contents			
Euro	pean fo	oreword	4
Intro	oductio	n	5
1	Scop	e	6
2	-	native references	
3	Terms and definitions		
4	Materials		
<b>T</b>	4.1	General	
	4.2	Timber and associated products	
		4.2.1 General	
		4.2.2 Solid wood	
		4.2.3 Laminated wood	
		4.2.4 Plywood panel 4.2.5 Oriented strand boards (OSB)	
		4.2.6 Particle boards (chipboards)	
	4.3	Metals Me	
	4.4	Concrete	
	4.5	Asphalt	10
	4.6	Other materials	10
5	Fastenings		10
	5.1	General	
	5.2	Bonding	
	5.3	Metal fastenings	11
6	Safety requirements		
	6.1	General requirements	11
	6.2	Design/construction	
		6.2.1 Structural integrity and stability	13
		6.2.2 Ground conditions 6.2.3 Drainage	
		6.2.3 Drainage 6.2.4 Rolling surface 6.2.4 R	
		6.2.5 Grinding surface	
		6.2.6 Barriers	
		6.2.7 Copings	
	6.3	Specific requirements for different skate elements and skateparks	
		6.3.1 General	
		6.3.2 Rail	
		6.3.3 Skate elements with platform or table	
		6.3.4 Skate elements without platform	
		6.3.6 Mini ramp/vert ramp (half-pipe)	
		6.3.7 Bowl	
	6.4	Safety zone	23
7	Testi	ng/Test report	23
8	Marl	king	24
9	Information supplied by the manufacturer		24
	9.1	General	
	9.2	Installation/construction	24
10	Inspection and maintenance		
	10.1	General	
	10.2	Implementation	
11	Info	mation for users	26

Bibliography 27

### **European foreword**

This document (EN 14974:2019) has been prepared by Technical Committee CEN/TC 136 "Sports, playground and other recreational facilities and equipment", the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 2019, and conflicting national standards shall be withdrawn at the latest by November 2019.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 14974:2006+A1:2010.

This edition contains the following technical changes in regards to EN 14974:2006+A1:2010:

- requirements revised;
- test methods revised;
- document restructured;
- editorially updated.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

### Introduction

This standard primarily targets planners, manufacturers, constructors, public authorities, operators, technical experts and inspectors of skate elements and/or skateparks.

The purpose of this European Standard is to specify the safety requirements, which to a large extent protect users and third parties (e.g. spectators) from hazards.

The use of skateparks is connected with sporting risks. Sporting skills and the use of suitable roller sports equipment in combination with appropriate protective equipment essentially reduces the risk of accident.

Not all possible forms of design, combinations, materials and/or structural elements of skateparks and/or skate elements will be specified within this European Standard, as they are constantly developing. Skateparks are often characterised by interconnected flowing rolling surfaces and elements. With regard to these specific skate elements the general requirements of this standard need to be considered.

It is essential that the development, construction and maintenance are carried out by competent persons with sufficient training, experience and knowledge of this standard, as well as an understanding of roller sports.

#### EN 14974:2019 (E)

This is a preview of "BS EN 14974:2019". Click here to purchase the full version from the ANSI store.

### 1 Scope

This document applies to skateparks for public use intended for the use of skateboards, other roller sports equipments and BMX bikes.

It specifies safety requirements and requirements for testing and marking, information supplied by the manufacturer, information for users, as well as for inspection and maintenance to protect users and third parties (e.g. spectators) from hazards, as far as possible, when using a skatepark as intended, or as can be reasonably expected.

This standard does not apply to bike facilities modelled from ground, gravel or rock.

### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 206, Concrete — Specification, performance, production and conformity

EN 300:2006, Oriented Strand Boards (OSB) — Definitions, classification and specifications

EN 312, Particleboards — Specifications

EN 335:2013, Durability of wood and wood-based products — Use classes: definitions, application to solid wood and wood-based products

EN 338:2016, Structural timber — Strength classes

EN 351-1, Durability of wood and wood-based products — Preservative-treated solid wood — Part 1: Classification of preservative penetration and retention

EN 599-1, Durability of wood and wood-based products — Efficacy of preventive wood preservatives as determined by biological tests — Part 1: Specification according to use class

EN 636, Plywood — Specifications

EN 789, Timber structures — Test methods — Determination of mechanical properties of wood based panels

CEN/TS 1099, Plywood — Biological durability — Guidance for the assessment of plywood for use in different use classes

EN 1992-1-1, Eurocode 2: Design of concrete structures — Part 1-1: General rules and rules for buildings

EN 10020, Definition and classification of grades of steel

EN 13670, Execution of concrete structures

EN 14487 (all parts), Sprayed concrete

#### 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <a href="http://www.electropedia.org/">http://www.electropedia.org/</a>
- ISO Online browsing platform: available at <a href="http://www.iso.org/obp">http://www.iso.org/obp</a>